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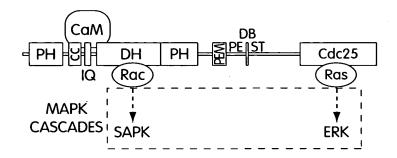


Fig. 1A

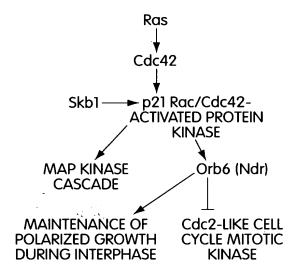


Fig. 1B

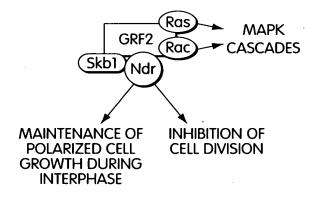
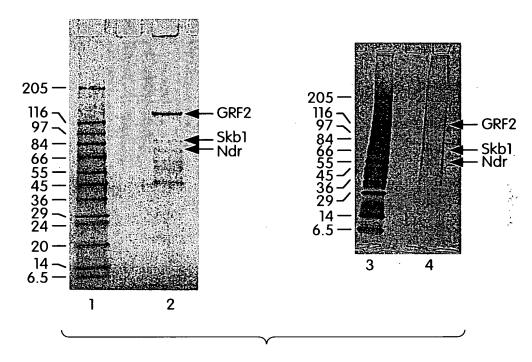


Fig. 1C



14

Fig. 2

P	FI	P٦	١F	40	IN	Ш	IΛΛ	HIT	[S =	921
		_	 , _	70			1 V 1.			7 Z.I

(1.0) GTVLDQVPVNPSLYLIK (17.0)									
SYMBOL	MASS	a	a - 17	b	b - 17	ly	y - 17		
G, Gly	57.021	30.034	13.032	58.029	41.027	1856.053	1839.051		
T, Thr	101.048	131.082	114.079	159.077	142.074	1799.032	1782.029		
V, Val	99.068	230.150	213.148	258.145	241.143	1697.984	1680.981		
L, Leu	113.084	343.235	326.232	371.229	354.227	1598.916	1581.913		
D, Asp	115.027	458.261	441.259	486.256	469.254	1485.832	1468.829		
Q, Gln	128.059	586.320	569.317	614.315	597.312	1370.805	1353.802		
V, Val	99.068	685.388	668.386	713.383	696.381	1242.746	1225.743		
P, Pro	97.053	782.441	765.439	810.436	793.433	1143.678	1126.675		
V, Val	99.068	881.510	864.507	909.505	892.502	1046.625	1029.622		
N, Asn	114.043	995.553	978.550	1023.547	1006.545	947.557	930.554		
P, Pro	97.053	1092.605	1075.603	1120.600	1103.598	833.514	816.511		
S, Ser	87.032	1179.637	1162.635	1207.632	1190.630	736.461	719.458		
L, Leu	113.084	1292.721	1275.719	1320.716	1303.714	649.429	632.426		
Y, Tyr	163.063	1455.785	1438.782	1483.780	1466.777	536.345	519.342		
L, Leu	113.084	1568.869	1551.866	1596.864	1579.861	373.282	356.279		
I, Ile	113.084	1681.953	1664.950	1709.948	1692.945	260.197	243.195		
K, Lys	128.095	1810.048	1793.045	1838.043	1821.040	147.113	130.111		

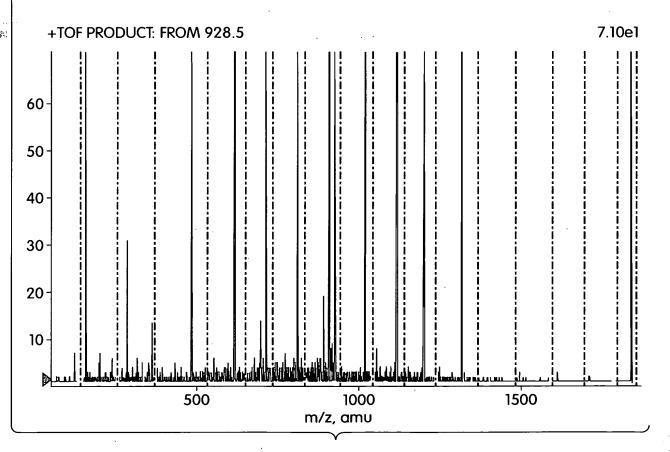


Fig. 3A

PEPTIDE 39 (NUM. HITS = 57)

(1.0)	VSALEVLPDR	2			(17.0))	
SYMBOL	MASS	a	a - 17	b	b - 17	у	y - 17
V, Val S, Ser A, Ala L, Leu E, Glu V, Val L, Leu P, Pro D, Asp R, Arg	99.068 87.032 71.037 113.084 129.043 99.068 113.084 97.053 115.027 156.101	72.081 159.113 230.150 343.235 472.277 571.346 684.430 781.482 896.509 1052.610	55.079 142.111 213.148 326.232 455.274 554.343 667.427 764.480 879.507 1035.608	100.076 187.108 258.145 371.229 500.272 599.340 712.424 809.477 924.504 1080.605	83.074 170.106 241.143 354.227 463.269 582.338 695.422 792.475 907.502 1063.603	1098.616 999.547 912.515 841.478 726.394 599.352 500.283 387.199 290.146 175.119	1081.613 982.545 895.513 824.476 711.392 582.349 483.281 370.196 273.144 158.117

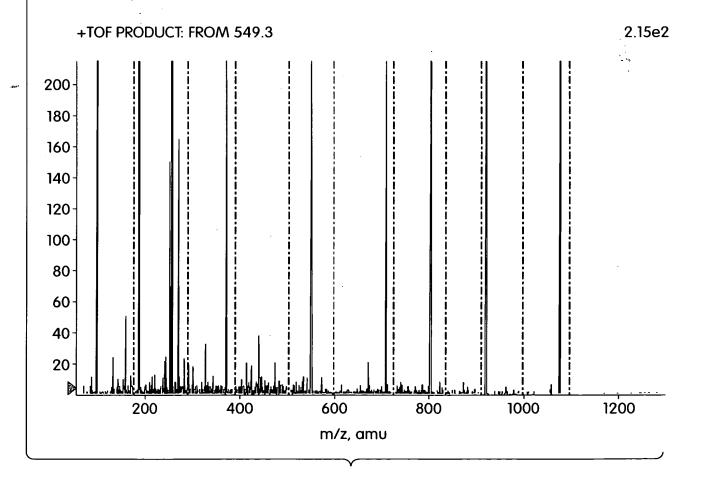


Fig. 3B

PEPTIDE 69 (NUM. HITS = 59)

(1.0)	VTDEDVFPTI	(17.0)	[(17.0)					
SYMBOL	MASS	а	a - 17	b	b - 17	y	y - 17	
L, Lue V, Val T, Thr D, Asp E, Glu D, Asp V, Val F, Phe P, Pro T, Thr	113.084 99.068 101.048 115.027 129.043 115.027 99.068 147.068 97.053 101.048	86.097 185.165 286.213 401.240 530.283 645.310 744.378 891.446 988.499 1089.547	69.094 168.163 269.210 384.237 513.280 628.307 727.375 874.444 971.496 1072.544	114.092 213.160 314.208 429.235 558.277 673.304 772.373 919.441 1016.494 1117.542	97.089 196.158 297.205 412.232 541.275 656.302 755.370 902.439 999.491 1100.539	1263.647 1150.563 1051.495 950.447 835.420 706.378 591.351 492.282 345.214 248.161	1246.645 1133.560 1034.492 933.444 818.418 689.375 574.348 475.279 328.211 231.158	
K, Lys	128.095	1217.642	1200.639	1245.637	1228.634	147.113	130.111	

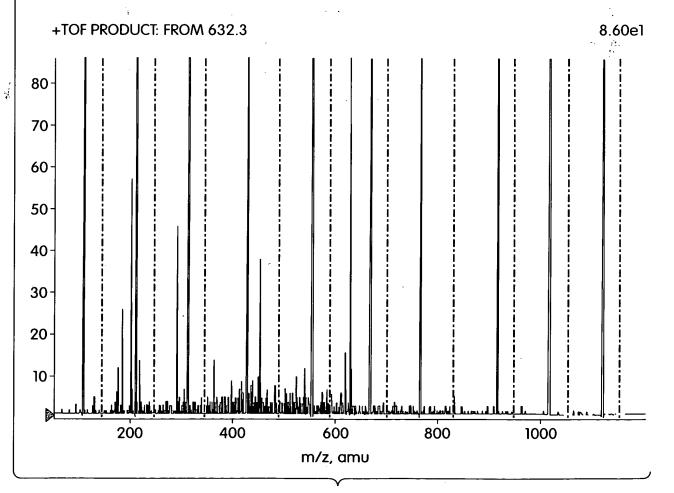


Fig. 4A

PEPTIDE 71 (NUM. HITS = 59)

(1.0) E	FPSSFESLVR	(17.0)	(17.0)				
SYMBOL	MASS	a	a - 17	b	b - 17	у	y - 17
E, Glu F, Phe P, Pro S, Ser S, Ser F, Phe E, Glu S, Ser L, Leu V, Val R, Arg	129.043 147.068 97.053 87.032 87.032 147.068 129.043 87.032 113.084 99.068 156.101	102.056 249.124 346.177 433.209 520.241 667.309 796.352 883.384 996.468 1095.536 1251.637	85.053 232.121 329.174 416.206 503.235 650.307 779.349 866.381 979.465 1078.534 1234.635	130.050 277.119 374.172 461.204 546.236 695.304 824.347 911.379 1024.463 1123.531 1279.632	113.048 260.116 357.169 444.201 531.233 678.301 807.344 894.376 1007.460 1106.528 1262.630	1297.643 1168.600 1021.532 924.479 837.447 750.415 603.346 474.304 387.272 274.188 175.119	1280.640 1151.597 1004.529 907.476 820.444 733.412 586.344 457.301 370.269 257.185 158.117

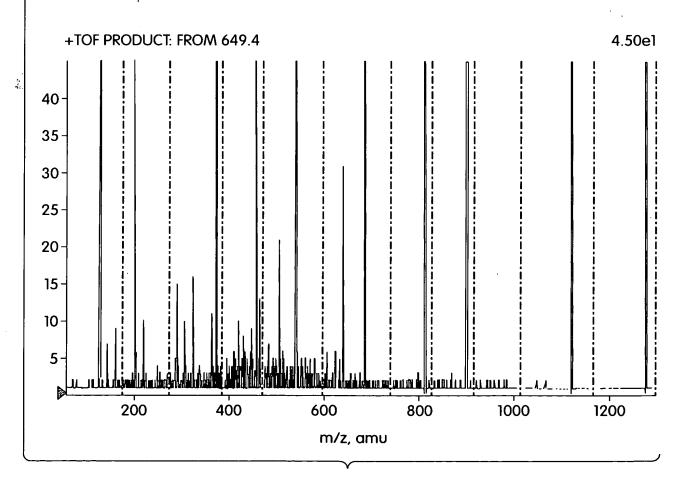


Fig. 4B

- 1 MRKETPPPLV PPAAREWNLP PNAPACMERQ LEAARYRSDG ALLLGASSLS
- 51 GRCWAGSLWL FKDPCAAPNE GFCSAGVQTE AGVADLTWVG ERGILVASDS
- 101 GAVELWELDE NETLIVSKFC KYEHDDIVST VSVLSSGTQA VSGSKDICIK
- 151 VWDLAQQVVL SSYRAHAAQV TCVAASPHKD SVFLSCSEDN RILLWDTRCP
- 201 KPASQIGCSA PGYLPTSLAW HPQQSEVFVF GDENGTVSLV DTKSTSCVLS
- 251 SAVHSQCVTG LVFSPHSVPF LASLSEDCSL AVLDSSLSEL FRSQAHRDFV
- 301 RDATWSPLNH SLLTTVGWDH QVVHHVVPTE PLPAPGPASV TE

Fig. 5

Protein Translation of MOB-related protein EST GI 705582

- 1 HHLGVLHRRD VSDDGRVHNK YYWYDERGKK VKCTAPQYVD FVMSSVQKLV TDEDVFPTKY
- 61 GREFPSSFES LVRKICRHLF HVLAH

MOB-related Hypotetical Protein GI 8922671

- 1 MSFLFSSRSS KTFKPKKNIP EGSHQYELLK HAEATLGSGN LRQAVMLPEG EDLNEWIAVN
- 61 TVDFFNQINM LYGTITEFCT EASCPVMSAG PRYEYHWADG TNIKKPIKCS APKYIDYLMT
- 121 WVQDQLDDET LFPSKIGVPF PKNFMSVAKT ILKRLFRVYA HIYHQHFDSV MQLQEGAHLN
- 181 TSFKHFIFFV QEFNLIDRRE LAPLQELIEK LGSKDR

Spindlin GI 5730065

- 1 MQAMLEVSAN MMKKRTSHKK HRSSVGPSKP VSQPRRNIVG CRIQHGWKEG NGPVTQWKGT
- 61 **VLDQVPVNPS LYLIK**YDGFD CVYGLELNKD ER**VSALEVLP DR**VATSRISD AHLADTMIGK
- 121 AVEHMFETED GSKDEWRGMV LARAPVMNTW FYITYEKDPV LYMYQLLDDY KEGDLRIMPD
- 181 SNDSPPAERE PGEVVDSLVG KQVEYAKEDG SKRTGMVIHQ VEAKPSVYFI KFDDDFHIYV
- 241 YDLVKTS

Fig. 6

```
20
                                                  40
gi3342738
             ------
qi10435124 :
                ______
EST705582
gill414881 :
gi10432886 :
qi10435207 :
gi8922671
           : MSFLQNFHISPGQTIRSTRGFKWNTANAANNAGSVSPTKAT :
ScMob1
spMob1
                             60
                                                 80
gi3342738
gi10435124 :
EST705582 :
gill414881 :
gi10432886 :
gi10435207 :
gi8922671
ScMob1
           : PHNNTINGNNNNANTINNRADFTNNPVNGYNESDHGRMSPV :
spMob1
                           100
                                               120
           : ----KSRRAGVTKMSNPFLKQVFNKDKEFREKRKFEPETQ
                                                         36
gi3342738
                                                         26
gi10435124 :
             EST705582
gi11414881 : -------MDWLMGKSKAKPNGKKPAAEER
gi10432886 : ------MSFLESSRSSKAFREKKNIPEGSH
                                                         22
                                                         24
24
                                                         24
           : LTTPKRHAPPPEQLQNVTDENYEPSHQKPFLQPQAGTTVTT
                                                        123
ScMob1
           22
spMob1
                                       k f
                          140
                                              160
           : REELHEKAQASLNAGLELELAVOLPEGEDENDWVAVHVVDF
                                                         77
qi3342738
gi10435124 : REELHER OASLNSGVDLEAAVOLPSGED NDWVAVHVVDF
                                                         67
EST7.5582 :
gi11414881 : KAYLEPEHTKARITDFQFKELVVLPREIDENEWLASNETTF
                                                         63
gi10432886 : QUELLEHAEATLES-ENLROAVMLPEGED NE gi10435207 : QUELLEHAEATLES-ENLROAVMLPEGED NE gi8922671 : QUELLEHAEATLES-ENLROAVMLPEGED NE SCMOD1 : HQDIKQIVEMTLESEGVLNOAVKLPRGEDENE
                                            WIAVNEVDF
                                                         64
                                            WIAV
                                                         64
                                                  VDF
                                                         64
                                            WLAV#CVDF
                                                        164
           : HOOLROYAEATLES
spMob1
                                                         62
                                av lp ged n w a
```

Fig. 7

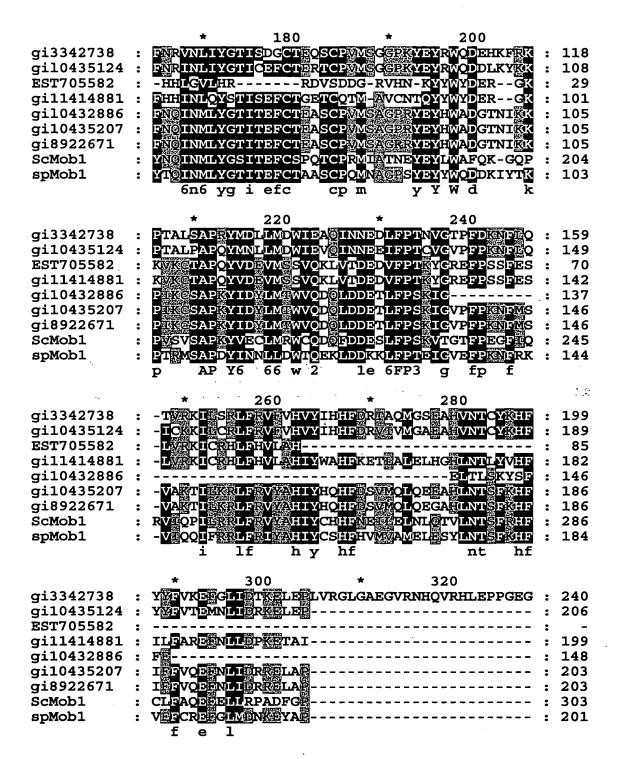


Fig. 7 Cont.

		* 3	40		*	360		
gi3342738	:	PPSRAI KETH	EĮ	RNCLMKCI	SLYLEDI	ZAQTPTPLSPPGLG	M:	281
gi10435124	:	LKEMT					- :	216
EST705582	:	6.9					- :	_
gi11414881	:	MDDIT	ΕV	CSGAGGV	HSGGSGI	OGAGSGGPGAQNHVI	τ:	235
gi10432886	:		- · ·				- :	
gi10435207	:	i lo@ilt	ЕK	GSKDR			_ :	216
gi8922671	:			GSKDR			_ :	216
ScMob1	:		- 1	K2234		. 	_ :	314
spMob1	:	MQDLV	,	069		. 	_ :	210
apmobi	•	<u>M</u> ODI	יכוע	M			•	210
		*						
gi3342738	:	* SPAARPRSFP	:	291				
gi3342738 gi10435124	:	* SPAARPRSFP	:	291 -				
	:	* SPAARPRSFP	:	291 - -				
gi10435124 EST705582	:	* SPAARPRSFP ER	:	291 - - 237				
gi10435124 EST705582 gi11414881	:		: : :	- -				
gi10435124 EST705582 gi11414881 gi10432886	:		: : : : : : : : : : : : : : : : : : : :	- -				- 4.5
gi10435124 EST705582 gi11414881 gi10432886 gi10435207	:		•	- -				
gi10435124 EST705582 gi11414881 gi10432886 gi10435207 gi8922671	:			- -				1 1924 2 1935
gi10435124 EST705582 gi11414881 gi10432886 gi10435207	:			- -				

Fig. 7 Cont.

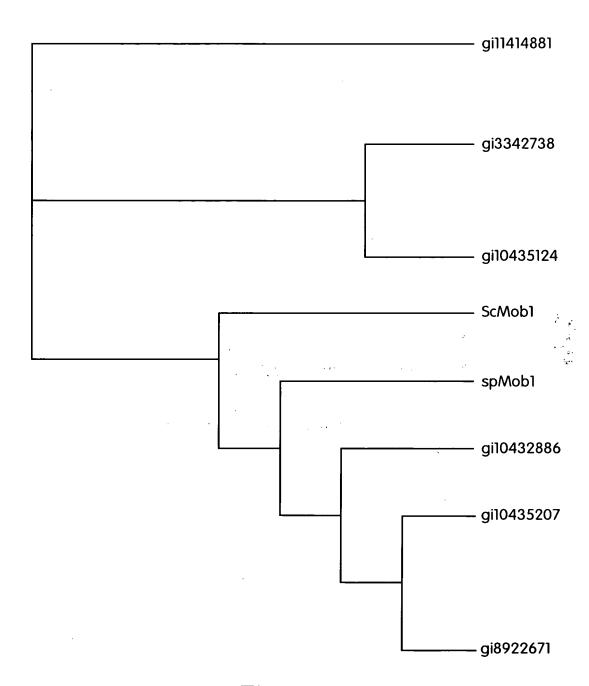
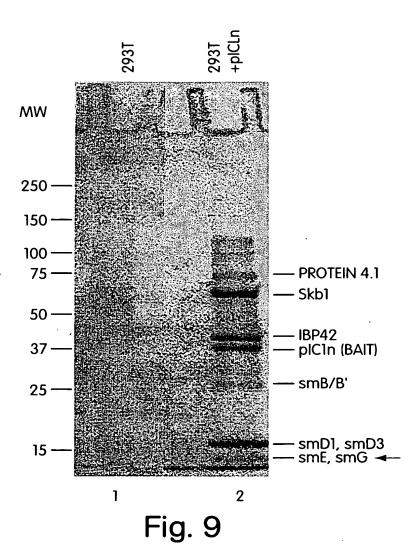


Fig. 8



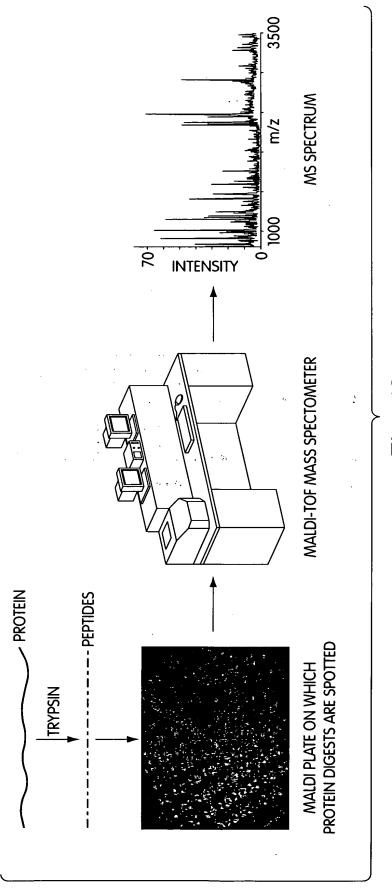


Fig. 10

- 1. EXCISE THE SPOT/BAND OF INTEREST, CUT THE FRAGMENT INTO SMALLER PIECES.
- 2. SHRINK THE GEL PIECES IN ACETONITRILE FOR APPROX. 10 MIN. REMOVE EXCESS "ACETONITRILE, AND DRY UNDER VACUUM WITH CENTRIFUGATION (SpeedVac).
- 3. COVER GEL PIECES WITH 10mM DITHIOTHREITOL (DTT) IN 50-100mM 4HCO3.
- 4. COOL TO ROOM TEMP, REMOVE DTT SOLUTION AND ADD EQUAL VOLUME OF 55 mm iodoacetamide in 50-100 mm $\rm NH_4HCO_3$. Incubate for 45 min in dark with occasional stirring.
- 5. RINSE THE GEL WITH 50-100 μ l ALIQUOTS OF 50-100 mM NH₄HCO₃ FOR 10 MIN AND REMOVE EXCESS.
- 6. SHRINK THE GEL WITH ACETONITRILE FOR 10 MIN AND REMOVE EXCESS.
- 7. SWELL THE GEL WITH 50-100 mM $\mathrm{NH_4HCO_3}$, AND SHRINK AGAIN WITH ACETONITRILE.
- 8. REMOVE EXCESS LIQUID AND DRY DOWN USING A SpeedVac.
- 9. SWELL GEL PIECES AT 4°C FOR 45 MIN IN BUFFER CONTAINING TRYPSIN AND 50 mm NH₄HCO₃. (APPROX. 5 μ L/mm² GEL). THE GEL PIECES SHOULD JUST BE COVERED. (TRYPSIN SOLUTION AT 12.5 ng/ μ L IS TYPICALLY USED FOR SILVER STAINED GELS).
- 10.DIGEST OVERNIGHT AT 37°C (OR AT LEAST FOR 3 H).
- 11. CENTRIFUGE GEL PIECES AND COLLECT SUPERNATANT
- 12. FURTHER EXTRACT PEPTIDES BY ONE CHANGE OF 20 mM NH₄HCO₃ FOLLOWED BY CENTRIFUGATION AND POOL SUPERNATANT.
- 13. FURTHER EXTRACT WITH THREE CHANGES OF 5% FORMIC ACID IN 50% CH_3CN (20 MIN BETWEEN CHANGES) AT ROOM TEMP.
- 14. DRY SAMPLE DOWN IN SpeedVac UNTIL DESIRED VOLUME HAS BEEN REACHED OR TO DRYNESS.

DESALTING:

- 1. THE SAMPLE (STEP 14 IN TABLE 1.0) SHOULD BE EITHER **a)** RESUSPENDED IN 5% (v/v) METHANOL AND 5% (v/v) FORMIC ACID OR **b)** AT LEAST ACIDIFIED BY THE ADDITION OF FORMIC ACID.
- 2. WASH ZipTips (MILLIPORE) BY PIPETTING IN AND OUT OF THE TIP THREE ALIQUOTS OF 60% (v/v) METHANOL AND 5% (v/v) FORMIC ACID SOLUTION.
- 3. EQUILIBRATE THE TIPS WITH 5% (v/v) METHANOL AND 5% (v/v) FORMIC ACID.
- 4. EXTRACT THE ANALYTES FROM THE SAMPLE BY PIPETTING IT UP AND DOWN 10 TO 20 TIMES.
- 5. WASH THE TIP WITH A SOLUTION OF 5% (v/v) METHANOL AND 5% (v/v) FORMIC ACID.
- 6. ELUTE THE ANALYTES OFF THE TIP USING (3ul) OF A SOLUTION OF 60% (v/v) METHANOL AND 5% (v/v) FORMIC ACID.

APPLICATION TO MALDI PLATE:

- 1. PREPARE A FRESH SATURATE SOLUTION OF α -CYANO-4-HYDROXY-CINNAMIC ACID (DOUBLY RE-CRYSTALLIZED) IN 50% (v/v) ACETONITRILE 0.3% (v/v) TRIFLUOROACETIC ACID.
- 2. TAKE 0.5 μ l of sample (eluent in step 6 of the desalting protocol) and pipet onto one position on the maldi plate.
- 3. IMMEDIATELY ADD 0.5 μ I OF THE SATURATE MATRIX SOLUTION (FROM STEP 1) AND ALLOW TO AIR DRY FOR AT LEAST 5 MINUTES.
- 4. REPEAT THE PROCESS FOR ALL SAMPLES.
- 5. INSTALL THE PLATE IN THE MALDI-TOF MS.



Fig. 13A

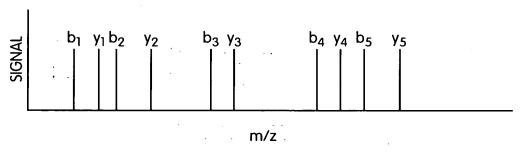


Fig. 13B

$$R_1$$
 R_2
 R_3
 R_1
 R_2
 R_3
 R_4
 R_4
 R_5
 R_5

Fig. 13C

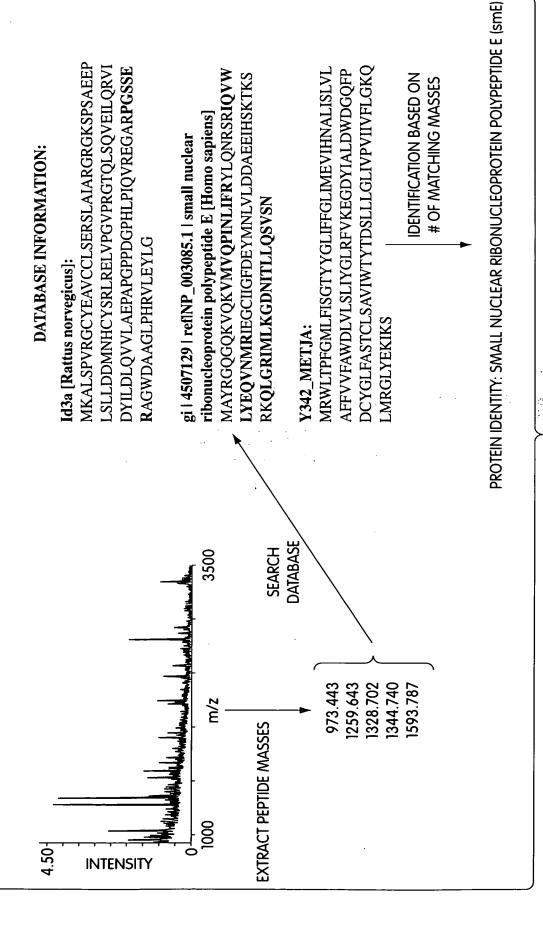


Fig. 14

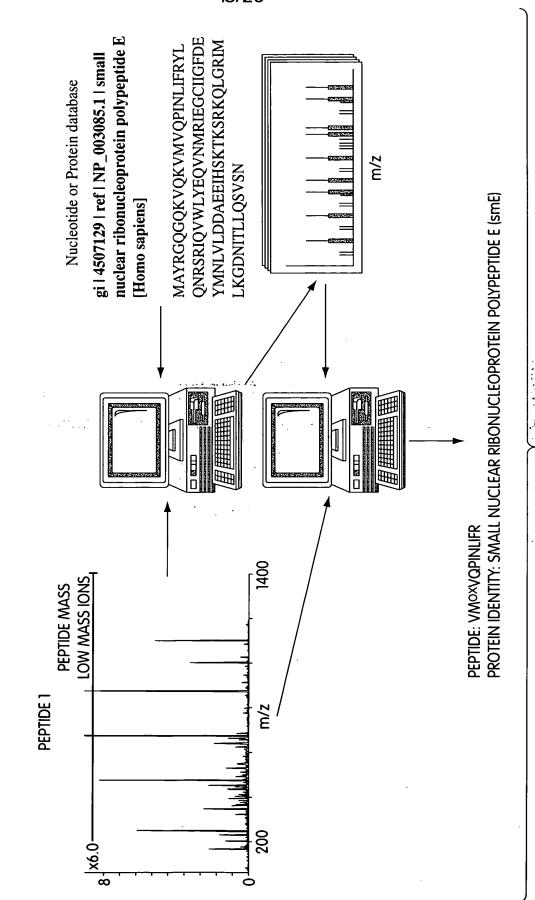


Fig. 15

審議と降り気を名いた

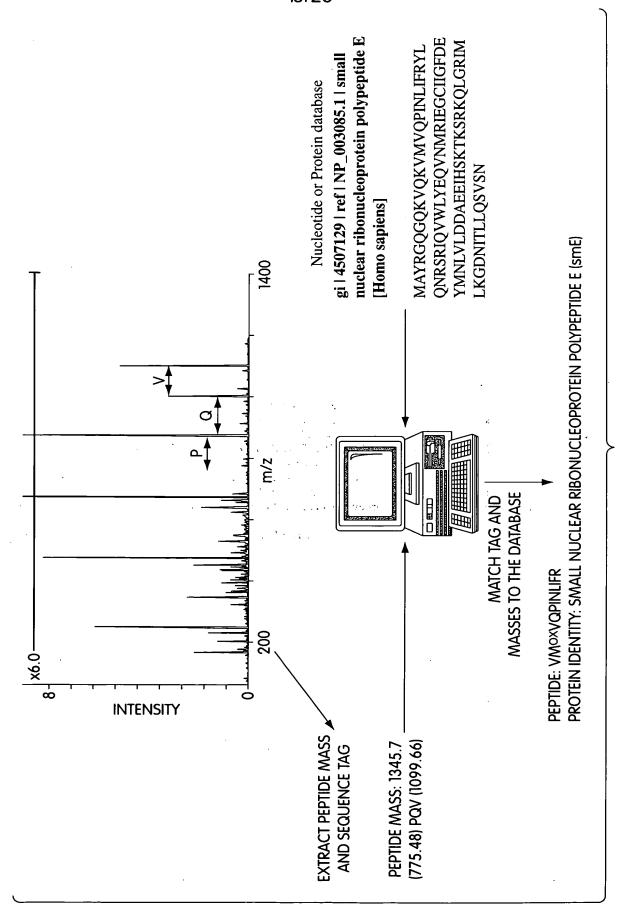
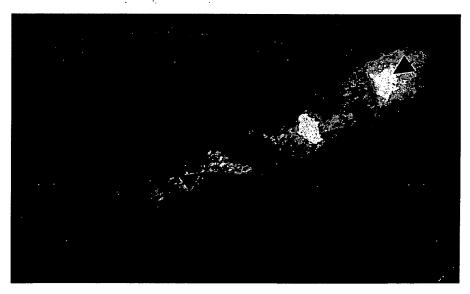


Fig. 16



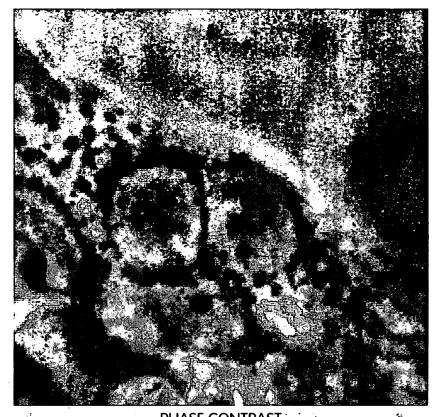
PHASE CONTRAST

Fig. 17A



N-FLAG/Skb1

Fig. 17B



PHASE CONTRAST Fig. 18A

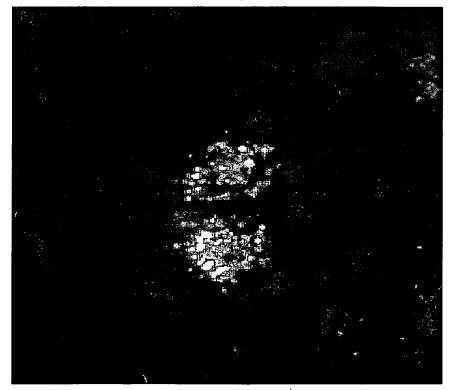


Fig. 18B

HEK293 CELLS

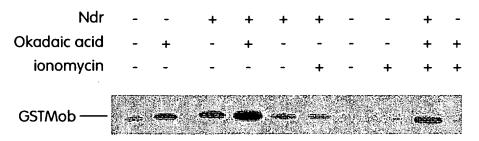


Fig. 19A

CLONE13

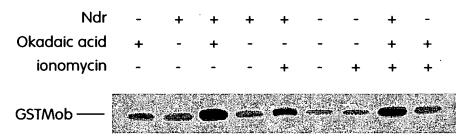


Fig. 19B

23/26

		* 20 * 40		
gi13543922	:		:	-
AF258661	:		:	-
sudD			:	-
RIO1 HssudD		MDLVGVASPEPGTAAAWGPSKCPWAIPQNTISCSLADVMSE	:	- 41
FLJ11159	:	MDLVGVASPEPGIAAAWGPSKCPWAIPQNIISCSLADVMSE	•	41
F1011139	•		•	
		* 60 * 80		
gi13543922	:	MSRVV	:	5
AF258661	:		:	-
sudD	:	MSSDSTTQA	:	9
RIO1	:		:	-
HssudD	:	${\tt QLAKELQLEEEAAVFPEVAVAEGPFITGENIDTSSDLMLAQ}$:	82
FLJ11159	:	MGKVNV	:	6
		-		
		* 100 * 120		
gi13543922	:	PGQFDDADSSDSENRDLKTVKEKDDILFEDLQDNVNENGEG	:	46
AF258861			:	-
sudD	:	ASPAEGLNPSHTYVPNKGYANEDGAVPAMAGQDLTPEDEDY	:	50
RIO1 HssudD	:	MLQMEYDREYDAQLRREEKKFNGDSKVSISFENYRKVHPYE	:	123
FLJ11159		AKLRYMSRDDFRVLTAVEMGMKNHEIVPGSLIASIASLKHG	•	47
11011133	•		•	
		* 140 * 160		
gi13543922	:	EIEDEEEEGYDDDDDDWDWDEG-VGKLAKGYVWNGGSNPQA	:	86
AF258661	:		:	_
sudD	:	EGDEYYDDIFEEELDEGDFNSSNPADLTKAYNRQRRVNELA	:	91
RIO1	:		:	-
HssudD	:	DSDSSEDEVDWQDTRDDPYRPAKPVPTPKKGFIGKGKDITT	:	164
FLJ11159	:	GCNKVLRELVKHKLIAWERTKTVQGYRLTNAGYDYLALKTL	:	88
-112542000		* 180 * 200		105
gi13543922	:	NRQTSDSSSAKMSTPADKVLRKFENKINLDKLNVTDSVIN	:	127
AF258661	:	ADPNAPKWTYPKTNTQKPTVNTYASVDDEIKSLTRHAAKI	:	132
sudD RIO1		MSLEDKFDSLSVSQGASDHINNQLLEKYSHKIR	•	33
HssudD		KHDEVVCGRKNTARMENFAPEFQVGDGIGMDLKLSNHVFNA	•	205
FLJ11159	•	SSRQVVESVGNQMGVGKESDIYIVANEEGQQFALKLHRLG	•	129
ETCTT73	•	DDVÄ A ABD A GUÄUG A GUEDDIII I AWARD GÄÄL MIKITATIOM	•	143

Fig. 20

gi13543922 AF258661 sudD RIO1 HssudD FLJ11159	* 220 * 24 : VTEKSRQKEADMYRIKDKADRATVEQUEORITAN : LDNVQSGLAVRGGSGTDRADRATSEQVEORITAN : TDELSFS RAKTSKDKANRATVENVEORITAN : LKQHAYSEERRSARLHEKKEHSTAEKAVORKERI : TSFRNLKNKRDYHKYRHNVSWLYLSRUSAMKEFA	11 FKM 1 : 168 : - 11 LQM : 173 RFIKSMWT : 71 LLWYKMWN : 246
gi13543922 AF258661 sudD RIO1 HssudD FLJ11159	* 260 * 280 : RGTTEINGISTEKENVIHAST : RNEVSEHEGLSTEKENVIHAST : RNEVSEHEGLSTEKENVIHAMLQP : RGV ADTNG LSTEKENVIHAVGAGTGKAPVIDE : SGMETTIG ISTEKESVEHAYGGSMED : RKFPVPKPIDYNRHAVVMELING	192 : 192 E: 200 EETGQYEV: 112
gi13543922 AF258661 sudD RIO1 HssudD FLJ11159	* 300 * 320 :ANGESRATKIYKISILAFKORDKYVSGEF : DDFDAAPIHRATKYYKISILAFKORDKYVTGEF : LETDGSRAEYAJKIYKISILAFKORERAVDGEF : EDSKVIPTECAJKYFKILABEKARDKYJKDDF : PLCQIHHVEDPASVYDEAMEIIVKLANHGLIHGI	RERSGYNK : 241 RERNSRSQ : 153 REKDRFSK : 318
gi13543922 AF258661 sudD RIO1 HssudD FLJ11159	* 340 * 360 : CNPRKMVKIWAEKEMENLIRLN-TAEIPCPE IN :MVKIWAEKEMENLIRLN-TAEIPCPE IN : SNNRAMVKIWAEKEMENLIRLY-AAGIPCPE IN : HNPRKMIKIWAEKEMENLARIYOSGVIPAPKIII : LNPRKIHRWAEKEMENLARMO-RAGIPCPTVVI : LDESDHITMIDFPOMVSTSHPN-AEWYFDRDVI : waek2m nl r a ip p 6	MLRSTVLV : 35 NLRLTVLV : 281 EVKNNVLV : 194 LLKKTILV : 358
gi13543922 AF258661 sudD RIO1 HssudD FLJ11159	* 380 * 400 : MFFIEKDD-MPAPLLKNVQLSESKARE Y : MSFIEKDD-MPAPLLKNVQLSESKARE Y : MSFIEKDD-MPAPLLKNVQLSESKARE Y : MSFIEKDD-MPAPLLKNVQLSESKARE Y : MSFIERDAFAS PKLKDVDFNISDPESKWRE Y : MSFIEHDQ-MPAPKLKDVPYKNRDEIFHYYI : MSFIEHDQ-MPAPKLKEVKLNSEEMKEAY : KRESYESELFPTFKDIRREDTLDMF m F P 1K y	OVIOYMR: 71 DVLGYMR: 322 HTWVAYMR: 232 VQTLHIMR: 394

Fig. 20 Cont.

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420
                                                                                       440
gi13543922 : RMY@DARLVH-ADLSEFNML@HGGGVYIIDVSQSVEHDHPH : 345
AF258661 : RMY@DARLVH-ADLSEFNML@HGGGVYIIDVSQSVEHDHPH : 111
sudD : VMY@TCHLVH-ADLSEYNTLWHNDKLYVIDVSQSVEHDHPR : 362
RIO1 : LLY@VCRLVH-ADLSEYNTIVHDDKLYMIDVSQSVEPEHPM : 272
HssudD
                       : OLYHECTLVH-ADLSEYNYLWHACKVWLIDVSOSVEPTHPH : 434
: EMOADDELLHPLGPDDKNEETKEGSEFSFSDGEVAEKAEVY : 348
FLJ11159
                                                                                    5 idvs2svE ho
                                           L6H adlse N
                                                                       h
                                         460
                                                                                     480
gi13543922 : ALEFLE-KDCANVN--DFFMRHSVAVMT-VRELFEEVTDPS : 382
AF258661 : ALEFLE-KDCANVN--DFFMRHSVAVMT-VRELFEEVTDPS : 148
sudD : SLEFLE-MDIKNVS--DFFRRKGVPTIS-ERVIFEET---- : 395
RIO1 : SLDFLE-MDIKNVN--LYFEKMGISIFP-ERVIFOEVISET : 309
HssudD : GLEFLF-RDGRNVS--QFFQKGEVKEALSERELFNAVSGLN : 472
FLJ11159 : GSENESENGLEESEGCYCRSSCDPEQIKEDSLSEESADAR : 389
                              lefl
                                       500
gi13543922 : IEHEN-MDAYESKAMEIASORTKEERSSODHODEWEKRAY : 422
AF258661 : IPHEN-MDAYESKAMEIASORTKEERSSODHWDEEVEKRAY : 188 sudd : ISAEG-PATVTDELRDAYEKLFSTEPEAADE DTAYERQQY : 435 RIO1 : LEKFKGDYNNISALVAYEASNLPIKSTEODEAEDETERSLH : 350
HssudD
                     : INADN-----EADFWARTEAREKMNEDHWOKNGRKAAS : 505
FLJ11159 : SFEMTEFNQALEEIKGOWVENNSWTEFSEEKNRTENWIND : 430
                                                                                 560
gi13543922 : PRILNE KNYERDMDIIMKLKEEDMAMNA QDNILYQTVT : 463
AF258661 : PRILNE KNYERDMDIIMKLKEEDMAMNA QDNILYQTVT : 229
sudD : PORLDQ YDYERDAEKVN-----AGEGDDLVYR--- : 464
RIO1 : IVRS------ : 354
HssudD : FLKDDGDPPLLYDE------ : 519
FLJ11159
                        : GORVOGGWPAGSDEYEDECPHLIALSSLNREFR----- : 463
                                   580
                                                                              600
gi13543922 : GLKKDLSGVÖKVPALLENQVEER-TCSDSEDIGSSECSDTD : 503
AF258661 : GLKKDLSGVÖKVPALLENQVEER-TCSDSEDIGSSECSDTD : 269
sudD : ----DLLAREKPSAPPDDEAETGSEVSGGVSEAESGSEDEE : 501
RIO1
HssudD
FLJ11159 : ----PFRDEENVCAMNQYRTRTLSITESGSAFSCETIPPEL : 500
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Fig. 20 Cont.

		620	*		640	*		
gi13543922	:	SEEQGDHARP	ĞKHTT DPI	IIC	OKKERKKM	KEAQREKRKNKIP	:	544
AF258661	:	SEEQGDHARP	KHTTDPI	II	OKKERKKM	KEAQREKRKNKIP	:	310
sudD	:	ERDPFEKKPP	GKRFEDI	Œ	SKKEHKNKŸ	KEEKREKRANKMP	:	542
RIO1	:						:	_
HssudD	:						:	_
FLJ11159	:	VKQKVKRQLT	@QQKSAVI	RI	rlokgean <u>f</u>	ftkorrenmon <u>e</u> k	:	541
		660	*					
gi13543922	:	KHWKKRKEKTA	AKTKKGK	:	561			
AF258661	:	KHVKKRKEKTA	AKTKKGK	:	327			
sudD	:	KHEKKRLVSS	SSRKRK-	:	558			
RIO1	:			:	_			
HssudD	:			:	_			
FTT11159	•	SSEEAASEWGE	₹	•	552			

Fig. 20 Cont.